10/761,494

STN - Structure Search 7.22.05

=> d ibib abs hitstr 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:633529 CAPLUS
DOCUMENT NUMBER: 141:179616
TITLE: Salts of codrugs of an opioid together with a second active moiety
INVENTOR(S): Ashton, Paul; Cynkowski, Tadeusz; Cynkowska, Grazyna
PATENT ASSIGNEE(S): Control Delivery Systems, Inc., USA
SOURCE: PCT Int. Appl., 80 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

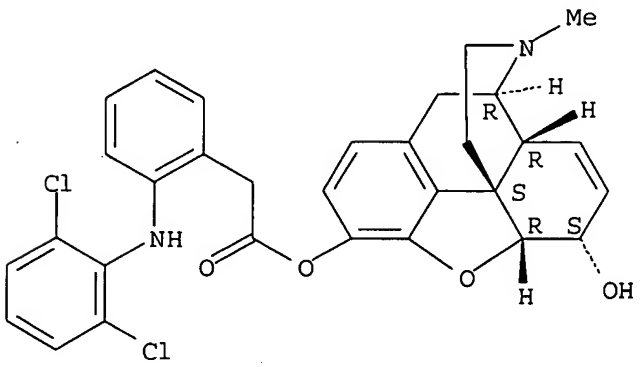
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004064839	A1	20040805	WO 2004-US1455	20040121
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB, BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR, CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG, ES, ES, FI, FI, GB, GD, GE, GE, GH, GH, GH, GM, HR, HR, HU, HU, ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ, KZ, KZ, LC, LK, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MK, MN, MW, MX, MX, MZ				
US 2004180036	A1	20040916	US 2004-761494	20040121
PRIORITY APPLN. INFO.:			US 2003-441726P P	20030121
OTHER SOURCE(S):	MARPAT 141:179616			

AB. A salt of a codrug of at least two drug compds. covalently linked to one another via a labile bond to form a single codrug, and methods of use of the codrug salt for the treatment of various medical conditions. The codrug salt may be administered by itself or in the form of a bioerodible or nonbioerodible substance. The maleate and p-toluenesulfonate salts of a morphine-diclofenac codrug were prepared

IT **477779-55-8**
RL: FMU (Formation, unclassified); RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); FORM (Formation, nonpreparative); RACT (Reactant or reagent); USES (Uses)
(salts of codrugs of an opioid together with a second active moiety)

RN 477779-55-8 CAPLUS
CN Morphinan-3,6-diol, 7,8-didehydro-4,5-epoxy-17-methyl-(5α,6α)-, 3-[2-[(2,6-dichlorophenyl)amino]benzeneacetate] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



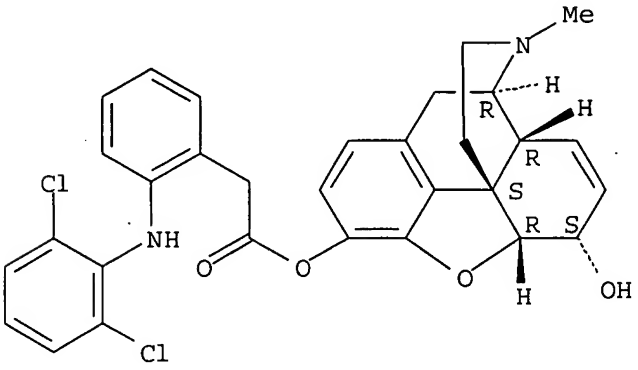
IT **732283-98-6P 732283-99-7P**
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(salts of codrugs of an opioid together with a second active moiety)

RN 732283-98-6 CAPLUS
CN Morphinan-3,6-diol, 7,8-didehydro-4,5-epoxy-17-methyl-(5α,6α)-, 3-[2-[(2,6-dichlorophenyl)amino]benzeneacetate], (2Z)-2-butenedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 477779-55-8
CMF C31 H28 Cl2 N2 O4

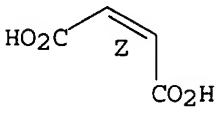
Absolute stereochemistry.



CM 2

CRN 110-16-7
CMF C4 H4 O4

Double bond geometry as shown.

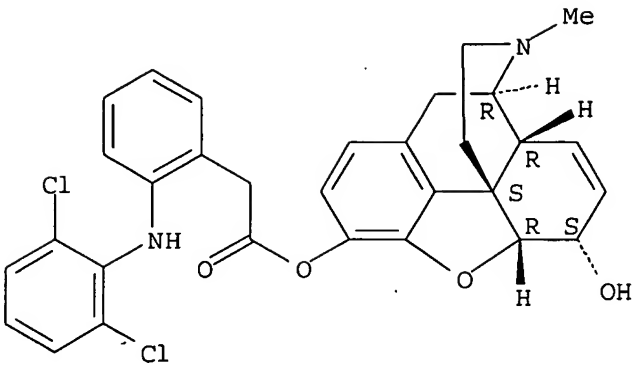


RN 732283-99-7 CAPLUS
CN Morphinan-3,6-diol, 7,8-didehydro-4,5-epoxy-17-methyl-(5α,6α)-, 3-[2-[(2,6-dichlorophenyl)amino]benzeneacetate], mono(4-methylbenzenesulfonate) (salt) (9CI) (CA INDEX NAME)

CM 1

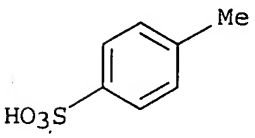
CRN 477779-55-8
CMF C31 H28 Cl2 N2 O4

Absolute stereochemistry.



CM 2

CRN 104-15-4
CMF C7 H8 O3 S



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:946115 CAPLUS
DOCUMENT NUMBER: 138:16594
TITLE: Sustained-release analgesic compounds
INVENTOR(S): Ashton, Paul; Smith, Thomas J.; Cynkowski, Tadeusz; Cynkowska, Grazyna; Mickunas, Edmund
PATENT ASSIGNEE(S): Control Delivery Systems, USA
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002098427	A2	20021212	WO 2002-US17613	20020605
WO 2002098427	A3	20030220		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2448665	AA	20021212	CA 2002-2448665	20020605
US 2003022876	A1	20030130	US 2002-162216	20020605

NZ 529661	A	20031219	NZ 2002-529661		20020605
EP 1399161	A2	20040324	EP 2002-734669		20020605
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
BR 2002010179	A	20040427	BR 2002-10179		20020605
JP 2004536811	T2	20041209	JP 2003-501466		20020605
PRIORITY APPLN. INFO.:			US 2001-295556P	P	20010605
			WO 2002-US17613	W	20020605

OTHER SOURCE(S): MARPAT 138:16594

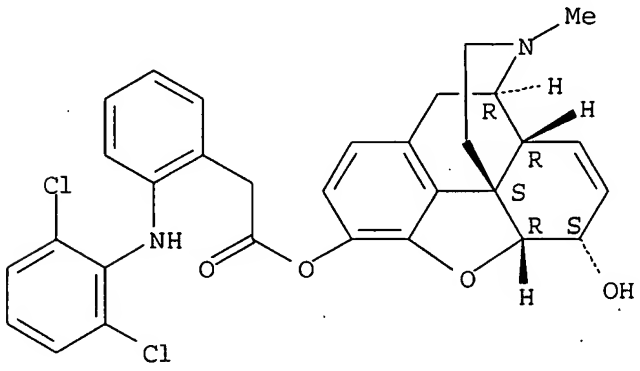
AB A pharmaceutically active inventive compound comprises two independently active analgesic moieties covalently conjoined through a physiol. labile linker. A preferred embodiment comprises an opioid, such as morphine, covalently linked to at least one analgesic compound selected from the group consisting of an opioid or a no-opioid compound through a physiol. labile linker. Suitable covalent linkers are covalently bonded to the two independently active analgesic compds. through one or more lactone, lactam, or sulfonamido linkages. Suitable linkers include endogenous carboxylate, amido, and sulfonamido moieties, and exogenous moieties that form the aforementioned lactone, lactam or sulfonamido linkages.

IT **477779-55-8P**
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(sustained-release analgesic compds.)

RN 477779-55-8 CAPLUS

CN Morphinan-3,6-diol, 7,8-didehydro-4,5-epoxy-17-methyl-(5α,6α)-, 3-[2-[(2,6-dichlorophenyl)amino]benzeneacetate] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



=> d his

(FILE 'HOME' ENTERED AT 10:54:27 ON 22 JUL 2005)

FILE 'REGISTRY' ENTERED AT 10:55:01 ON 22 JUL 2005
L1 STRUCTURE UPLOADED
L2 1 S L1
L3 3 S L1 FULL

FILE 'CAPLUS' ENTERED AT 10:55:55 ON 22 JUL 2005
L4 2 S L3

=> d l1
L1 HAS NO ANSWERS

10/761,494

L1 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

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